

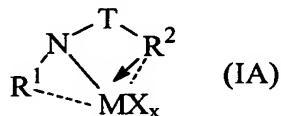
Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (cancelled)

2. (currently amended) A process ~~according to claim 1 wherein for preparing interpolymers of ethylene and one or more C₃₋₈ olefin monomers comprising contacting a monomer mixture comprising ethylene and one or more C₃₋₈ olefin monomers with a catalyst composition comprising a Group 4 metal complex of a polyvalent, Lewis base ligand under addition polymerization conditions, characterized in that the ethylene is present in the monomer mixture in an amount from 0.5 to 1.0 weight percent and the metal complex corresponds to the formula:~~



wherein

R¹ is selected from alkyl, cycloalkyl, heteroalkyl, cycloheteroalkyl, aryl and inertly substituted derivatives thereof containing from 1 to 30 atoms not counting hydrogen;

T is a divalent bridging group of from 1 to 20 atoms other than hydrogen, ~~preferably a mono- or di-C1-20 hydrocarbyl substituted methylene or silane group, and~~

R² is a C₆₋₂₀ heteroaryl group containing Lewis base functionality, ~~especially a pyridine-2-yl or substituted pyridine-2-yl group,~~

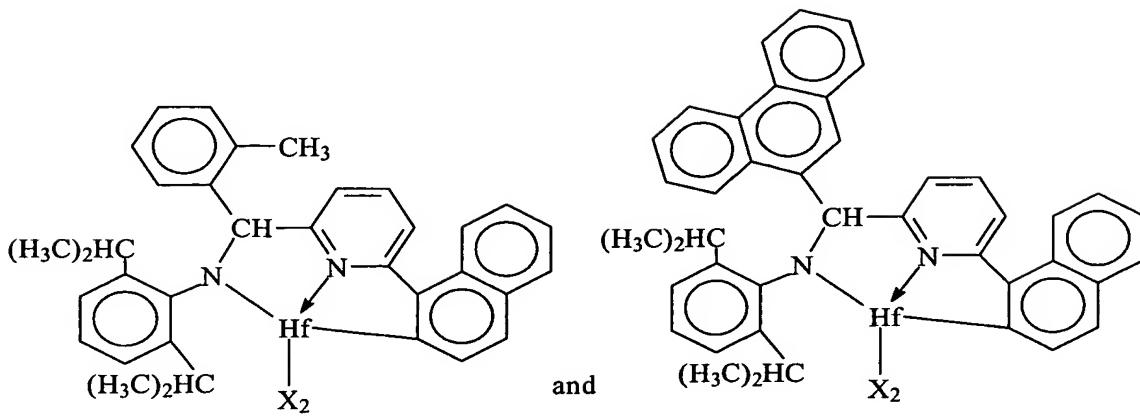
M is the Group 4 metal, preferably hafnium,

X is an anionic, neutral or dianionic ligand group,

x is a number from 0 to 5 indicating the number of such X groups, and

bonds, optional bonds and electron donative interactions are represented by lines, dotted lines and arrows respectively.

3. (original) A process according to claim 2 wherein the metal complex is selected from the group consisting of:



wherein X each occurrence is halide, N,N-dimethylamido, or C₁₋₄ alkyl.

4. (currently amended) A process according to claim 42 wherein the monomer mixture comprises propylene and ethylene ~~a mixture comprising propylene and from 0.1 to 10 weight percent ethylene is copolymerized.~~